

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Chuska Energy Company

3. ADDRESS OF OPERATOR

P. O. Box 2118, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface 660' FSL & 660' FEL

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

5420

19. PROPOSED DEPTH

5600'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5155' GR

22. APPROX. DATE WORK WILL START*

March 1, 1986

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	54.50	80'	See Attached
12 1/4	8 5/8	24.00	1600'	See Attached
7 7/8	5 1/2	15.50	5600'	See Attached

SEE ATTACHED

RECEIVED
FEB 27 1986

DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

John Alexander

TITLE Vice-President

DATE 2-24-86

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY THE STATE

OF UTAH DIVISION OF

OIL, GAS, AND MINING

DATE 3/5/86

BY John K. Bay

SEE SPACING: 302

*See Instructions On Reverse Side

COMPANY CHUSKA ENERGY COMPANY

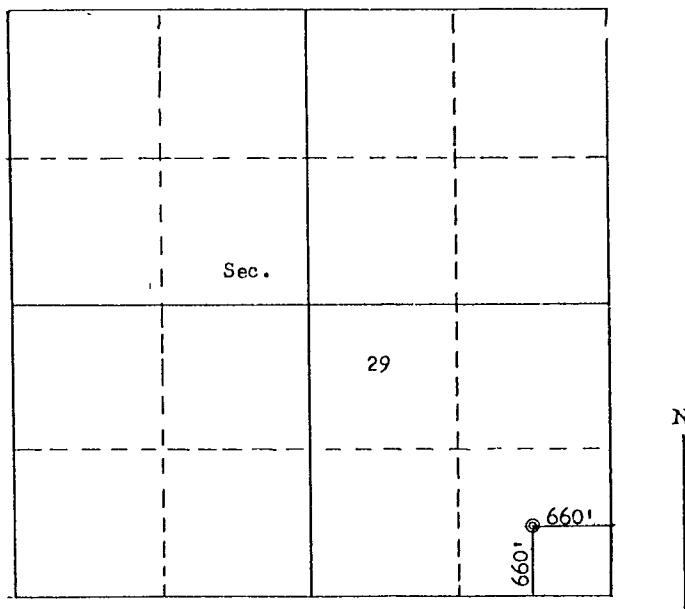
LEASE NAVAJO TRIBAL "A" WELL NO 44-29

SEC 29, T 43S, R 25E

County: San Juan State: Utah

LOCATION 660'FSL 660'FEL

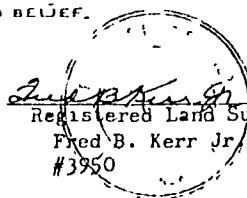
ELEVATION 5155 ungraded ground



SCALE—1 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL



Registered Land Surveyor
Fred B. Kerr Jr.
#3950

SURVEYED November 27, 1985

FORMATION INFORMATION AND
DRILLING PRACTICES

Chuska Energy Co.
Navajo Tribal A No. 44-29
660' fsl & 660' fsl
29-41S-25E
San Juan Co., Utah

1. Surface Formation: Bluff Sandstone

2. Estimated Formation Tops:

Chinle	1500'
DeChelly	2521'
Organ Rock	2793'
Hermosa	4374'
Upper Ismay	5175'
Lower Ismay	5409'
Desert Creek	5382'
T.D	5600'

3. Estimated Depth of Anticipated Oil, Gas, Water or Minerals:

Oil 5409' Oil 5382'

4. Proposed Casing Program:

- 0-80 13 3/8", 54.50 lb.ft., ST&C, J-55 new casing; cemented with 120 cu.ft. Class "B" + 1/4 lb. Flocele/sl. Cement to surface.
- 0-1600' 8 5/8", 24 lb.ft., ST&C, J-55 new casing; cemented with 800 cu.ft. 65-35 Pozmix with 6% gel followed by 100 cu.ft. Class "B" with 2% CaCl₂. Cement to surface.
- 0-5600' 5 1/2", 15.50 lb.ft., ST&C, J-55, new casing; first stage cemented with 450 cu.ft. Class "H" containing 10 lb. Calseal/sl. and 10% salt. Cement top at 4,000'. Stage tool at 2850'. Cement second stage with 500 cu.ft. 65-35 Pozmix with 6% gel followed by 100 cu.ft. Class "B". Cement top at 1,000'.

5. Pressure Control Equipment - Blow Out Preventer:

The attached schematic shows the type of blow out preventer to be used while drilling. The unit will be tested to 800 psi prior to drilling from under surface pipe.

6. Drilling Fluids:

Depths	Type	Vis.	Weight	Fluid Loss
0-1600	gel-lime	35-45	9.0	not controlled
1600'-4000'	gel-chem	35-45	9.5	15 cc.
4000'-t.d	gel-chem	45-50	10.0	9 cc.

7. Auxiliary Equipment:

- bit float
- stabbing valve to be used in drill pipe when kelly is not connected.

8. Logging - Coring - Testing Program:

Logging - Open Hole: IES, CNL, FDC
Mud: 4000' to t.d

Testing: possible in Lower Ismay and Desert Ck.

Coring: none planned

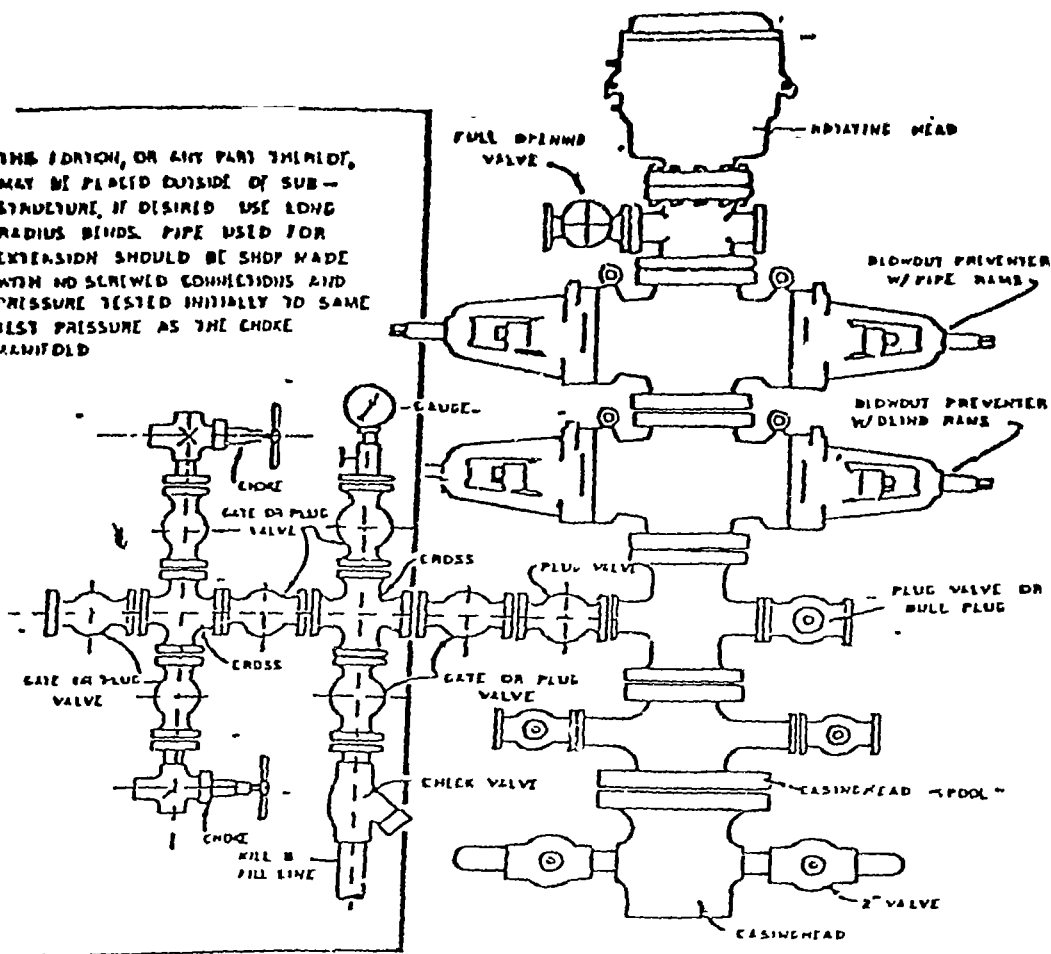
9. Abnormal Temperatures, Pressures, or Potential Hazards:

None expected.

10. Starting Date:

Anticipated starting date is March 1, 1986 . Approximately 5 days will be required to build roads and location. Drilling will take about 15 days. Completion should be accomplished in 6 days.

THIS SECTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE, IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SWELED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKER MANIFOLD.



BLOWOUT PREVENTER HOOKUP

SURFACE USE PLAN

Chuska Energy Co.
Navajo Tribal A No. 44-29
660' fsl to 660' fsl
29-43S-25E
San Juan Co., Utah

1. Existing Roads (shown in green):

The attached topographic map shows all existing roads within one mile of the proposed location. All roads will support drilling activity and will not have to be upgraded.

2. Planned Access Road (shown in red):

The new access road will have a maximum grade of 10% and will be water barred to prevent erosion. It will join a dirt county road 1,000' from the well site.

3. Location of Existing Wells:

The existing oil, gas, water, drilling and disposal wells are shown on the attached topographic map.

4. Location of Production Facilities:

All production facilities are to be contained within the proposed location site. Chuska has no other facilities in the area.

5. Location and Type of Water Supply:

Water will be trucked from the San Juan River, 15 miles north of the location.

6. Source of Construction Materials:

Any gravel or other construction material that can not be obtained from the excess accumulated from building the location will be purchased from the Navajo Tribe.

7. Methods of Handling Waste Disposal:

All trash will be carried to a landfill or burned. All non-burnable materials (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry. Pits will be completely fenced during drying time, then back filled with dirt prior to preparing the location for production or abandonment.

8. Human Waste:

A portable toilet will be supplied for human waste.

9. Ancillary Facilities:

No ancillary facilities are planned.

10. Well Site Layout:

The attached layout shows the drilling rig with all associated facilities. Cut and fill required is also indicated.

11. Plans for Restoration of Surface:

Restoration of the well site and access road will begin within 90 days of well completion, weather permitting and if required by the land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drill site and road will have any topsoil replaced and will be reseeded when germination can take place. In either case, cleanup of the site will include burning of any safely burnable material, filling of all pits, carrying away of all non-burnable material and any chemicals that cannot be safely buried and the hauling off of any oil that may have accumulated on the pits while drilling. A burn permit will be acquired if necessary.

12. General Information:

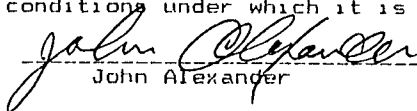
This location is in Tsitah Wash near the Anido Creek Field. The area is flat and covered with native weeds and grasses. There were no archaeological sites found on the location or road. There is one residence in the area, located approximately 1/4 mile east of the site.

13. John Alexander

Chusla Energy Co.
P.O. Box 2118
Farmington, N.M. 87499
505-326-5525

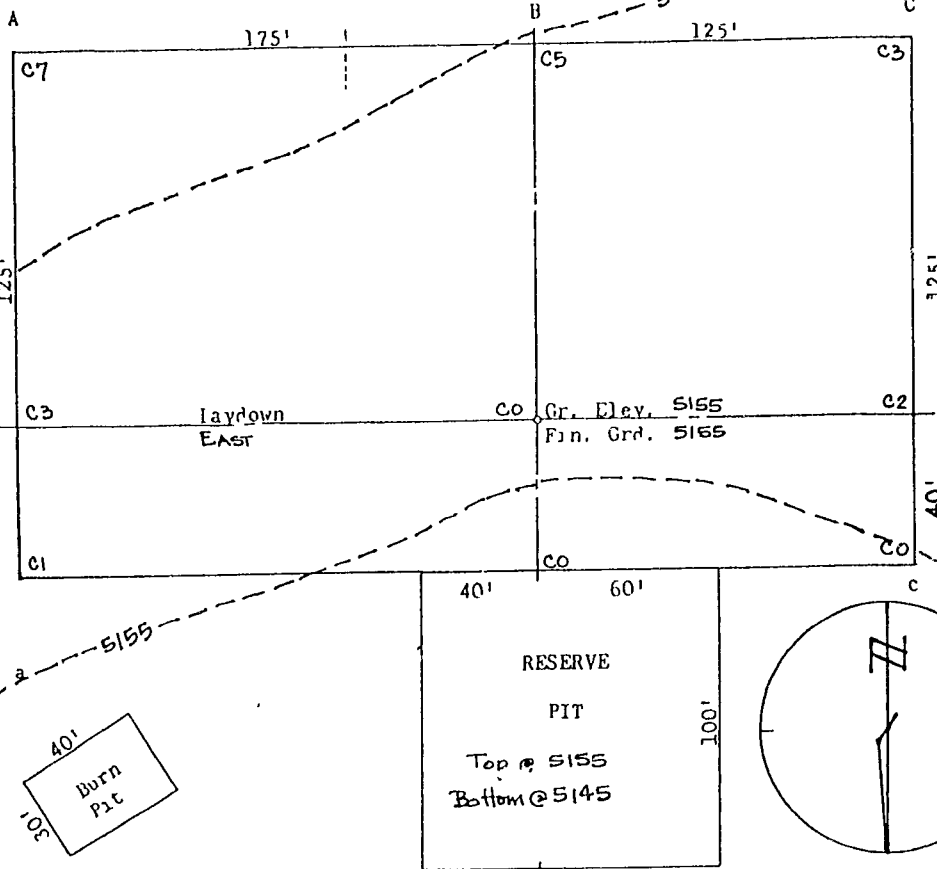
14.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Chusla Energy Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


John Alexander

Date 2/24/86

CHUSKA ENERGY COMPANY
 44-29 Navajo Tribal "A"
 660' FSL to 660' F&L
 Sec. 29, T43S, R25E
 San Juan Cnty., UT.



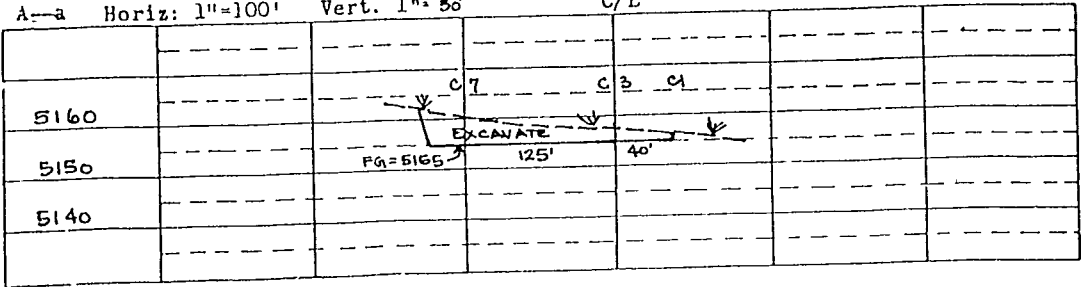
C or F is Cut or Fill from existing ground to finish grade.

Scale: 1"=50'

A-a Horiz: 1"=100' Vert: 1"=30'

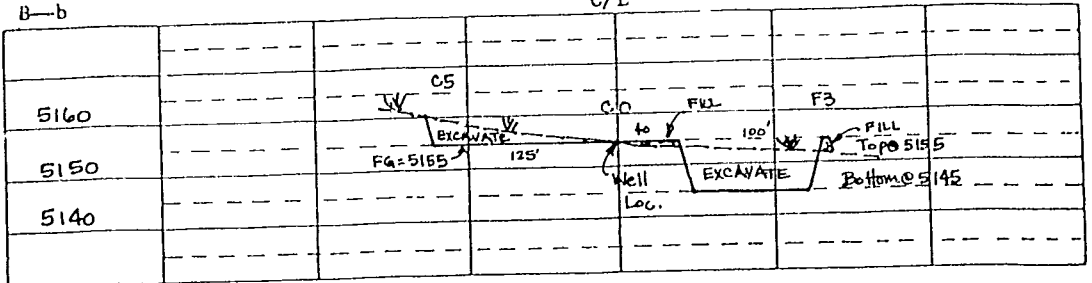
C/L

Nov. 1985



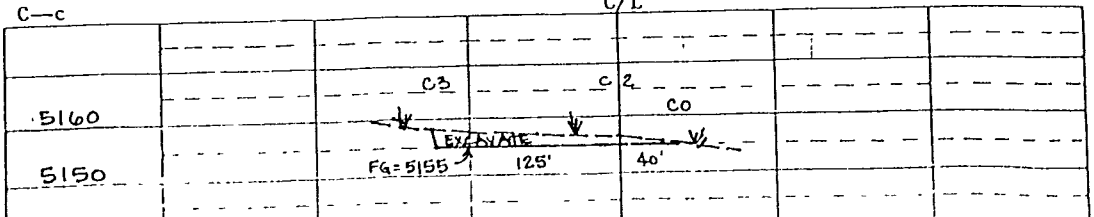
B-b

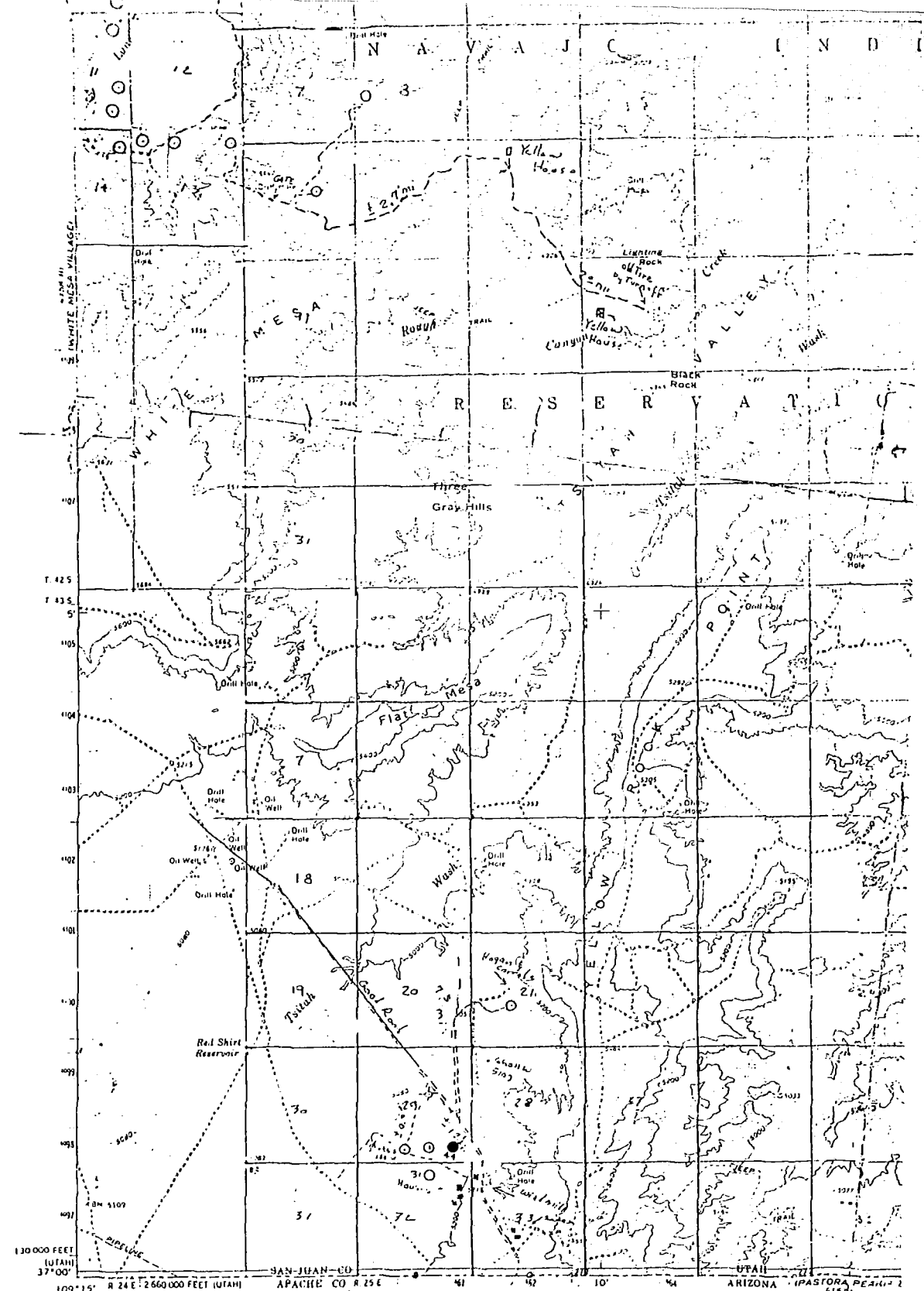
C/L



C-c

C/L





130 000 FEET
 (UTAH)
 37° 00'

Mapped, edited, and published by the Geological Survey
 Control by USGS and
 Topography by photogrammetry (photographs taken 19
 Polyconic projection.
 10,000 foot grid base
 and Colorado coordinate
 1000 meter Universal
 zone 12 shown in blue
 Where omitted, land lines have not been established

VICINITY MAP for
 CHUSKA ENERGY COMPANY #44-29 NAVAJO TRIBAL "A"
 660° FSL 660° FEL Sec. 29-T43S-25E
 SAN JUAN COUNTY, UTAH

SCALE 1:62,500
 CONTOUR INTERVAL
 DOTTED LINES REFERENCE
 DATUM IS MEAN SEA

THIS MAP COMPLETES THE
 FOR SALE BY U.S. GEOLOGICAL SURVEY DENVER 25
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND

OPERATOR Alaska Energy Co DATE 3-3-86

WELL NAME Navajo Unit A 44.29

SEC 50/50 29 T 4.35 R 25E COUNTY San Juan

43-037-31248
API NUMBER

Indian
TYPE OF LEASE

CHECK OFF:

☒

PLAT

☒

BOND

☒

NEAREST
WELL

☒

LEASE

☒

FIELD

☒

POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well within 920'
Nece water permit

APPROVAL LETTER:

SPACING: ☐ 203 _____
UNIT

☒ 302

☐ _____
CAUSE NO. & DATE

☐ 302.1

STIPULATIONS:

1- Unit



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangarter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Trid Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 5, 1986

Chuska Energy Company
P. O. Box 2118
Farmington, New Mexico 87499

Gentlemen:

Re: Well No. Navajo Tribal A 44-29 - SE SE Sec. 29, T. 43S, R. 25E
660' FSL, 660' FEL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

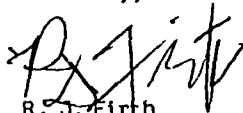
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2
Chuska Energy Company
Well No. Navajo Tribal A 44-29
March 5, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at each drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31248.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
Bureau of Indian Affairs
Dianne R. Nielson

8159T



CHUSKA ENERGY COMPANY

P O BOX 2118 • FARMINGTON, N M 87499 • PHONE (505) 326 5525

February 25, 1986

030743

RECEIVED

Division of Water Rights
P. O. Box 718
Price, Utah 84501

RECEIVED
MAR 07 1986

FFR 29 1985

WATER RIGHTS
PRICE

Attention: Mr. Mark Page

DIVISION OF
OIL, GAS & MINING

Re: Water Permit No. 09-1443

Gentlemen:

Chuska Energy received the referenced permit to drill numerous oil wells in San Juan County. The need has arisen to add two previously unlisted wells to the permit. The following wells are listed on the permit and will not be drilled.

{ Navajo Tribal #32-18 SW NE Sec. 18 T.42S R.25E 43-037-31229 JA
Navajo Tribal A #24-29 SE SW Sec. 29 T.43S R.25E 43-037-31195 JA

We would like to add the following two wells to the permit in place of those above:

Navajo Tribal A #44-29 SE SE Sec. 29 T.43S R.25E 43-037-31248 JA
Navajo Tribal #41-11 NE NE Sec. 11 T.42S R.25E 43-037-31243 JA

All wells are in San Juan County. The water source, volume, and means of transportation will be the same.

Sincerely,

John Alexander
John Alexander

JA/bc



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City UT 84180-1203 • 801-538-5340

June 10, 1987

061119

Chuska Energy Company
P.O. Box 2118
Farmington, New Mexico 87499

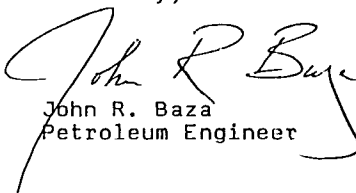
Gentlemen:

RE: Well No. Navajo Tribal A 44-29, Sec. 29, T. 43S, R. 25E,
San Juan County, Utah, API NO. 43-037-31248

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,



John R. Baza
Petroleum Engineer

sb
cc: BLM-Farmington
D. R. Nielson
R. J. Firth
Well file
0327T-82